

[This publication is issued monthly for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 50 cents a year. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

CONTENTS.

	Page.		Page.
Changes in directory	1	Licenses and permits for veterinary biological	3.4
Notices regarding meatinspection	2	products	5
M. I. Forms 116 and 121	2	Production of antihog-cholera scrum and hog-	
Removal of hoofs and claws from hog		cholera virus.	12
earcasses	. 2	Summary of tuberculosis eradication work in	
Fumigation with hydrocyanie acid	3	cooperation with States, December, 1920	12
Animals slaughtered under Federal inspec-		Termitted dip for cattle for ticks	13
tion, December, 1920	. 3	Bureau of Animal Industry directories	13
Imports of food animals and of meats and		Results of prosecutions for violations of laws.	13
nieat food products		Bureau regulations in force	14
Foreign officials authorized to sign inspec		Organization of the Bureau of Animal In-	
tion certificates for meat and products for		dustry	. 16
importation into the United States	4		

CHANGES IN DIRECTORY.

Meat Inspection Inaugurated.

752. Mohawk Packing Co., 82 North Street, Boston, Mass.

*579. Memphis Packing Corporation, 229 Falls Building, Memphis, Tenn.

384. Nut Grove Butter Co., 106 Noxon Street, Syracuse, N. Y.

380. Howard Pancero, 2011 Branch Street, Cincinnati, Ohio.

Meat Inspection Withdrawn.

919. J. C. Bull Jr., Co., Arcata, Calif.

300. The Northern Ohio Butterine Co., Ashland, Ohio.

E-50. The Cincinnati Packing Co., Cincinnati, Ohio.

105. A. D. Davis Packing Co., Mobile, Ala.

994. Arizona Packing Co., Phoenix, Ariz.

366. Ve Nut Products Co., Newark, N. J.

270. International Vegetable Oil Co., Augusta Road, Savannah, Ga.

^{*}Conducts slaughtering.

Meat Inspection Reinaugurated Following Suspension.

998. Gorgin & Tyirin, 1907 Dunlap Street, Cincinnati, Ohio.

Changes in Names of Official Establishments.

- *747. Peoples Packing House Co., 256 Stark Street, Cincinnati, Ohio, instead of Howard Pancero.
- 75. Acme Packing Co. (and Chicago Beef Co., Indian Packing Co., Indian Packing Corp., Martin-Pemberton Co.), Green Bay, Wis., instead of Indian Packing Co., and Indian Packing Corp.

Stations Added.

Albany, Ga., virus-serum control, Dr. Charles A. Klein, care Albany Serum Co. Syracuse, N. Y. (substation of Buffalo, N. Y.).

Stations Discontinued.

Arcata, Calif. (substation of San Francisco, Calif.) Ashland, Ohio (substation of Cleveland, Ohio). Phoenix, Ariz., meat inspection.

Changes of Officials in Charge.

Memphis, Tenn., Dr. C. L. E. Kerr instead of Mr. B. L. Larimore. Grove City, Pa., Mr. William White instead of Mr. S. C. Thompson.

Chages in Addresses of Officials in Charge.

Dr. Fern A. Imler, Room 19, Federal Building, Kansas City, Kans., instead of 20 Federal Building.

Dr. George W. Neff, P. O. box 33, Charleston, W. Va., instead of care State Commissioner of Agriculture.

Dr. W. A. Sullivan, P. O. box 809 Boise, Idaho, instead of care Director of Animal Industry. Note.

Inspection extended, Establishment 20-A, Wilson & Co. (Inc.), Kansas City, Kans., to include Wilson-Martin Co.

NOTICES REGARDING MEAT INSPECTION. M. I. FORMS 116 AND 121.

Inspectors in charge of meat inspection are requested to render reports on M. I. Forms 116 and 121 to the Washington office weekly in future instead of daily as heretofore. Care should be taken to show the dates on which all certificates are issued, but if space permits, the issuance of certificates on several dates may be entered on the same sheet. These reports should not be rendered for any week during which no certificate was issued.

REMOVAL OF HOOFS AND CLAWS FROM HOG CARCASSES.

All hoofs and claws shall be removed from all hog carcasses during the process of * cleaning. This procedure is necessary for proper cleaning and to prevent subsequent soiling of meat and products. The practice at many establishments has fully demonstrated that removal of hoofs and claws can readily be accomplished, and it is desired that this practice become effective at all establishments at an early date. Such time as may reasonably be required will be allowed establishments to procure suitable appliances and train employees to do the work.

^{*}Conducts slaughtering.

FUMIGATION WITH HYDROCYANIC ACID. 4

Fumigation with hydrocyanic acid is recognized as a practical and efficient means of ridding buildings of rats, insects, and other vermin. Experiments conducted by the bureau have shown that meats may be fumigated with this gas without injury and without absorption of the gas. Such fumigation, therefore, will be recognized by the bureau as a practical means of eliminating rats, mice, and other vermin from official establishments. Such fumigation will be permitted without requiring the removal of the meats and other edible products from the premises.

On account of the extremely poisonous character of hydrocyanic acid gas, however, it is required that official establishments desiring to fumigate shall obtain permission from the Washington office before undertaking the fumigation; that the fumigation shall be conducted under direct charge of a person familiar with the gas and with methods of fumigation; that all operations shall be discontinued in the building during the time of fumigation; and that all requirements of the local authorities shall be complied with. Inspectors in charge shall convince themselves that the persons whom the establishments intend to place in charge of the fumigation are competent to conduct the work. Inspectors in charge will not assume responsibility for any part of the work or for the results obtained. Inspectors in charge will make full report to the bureau of all fumigations conducted in official establishments under their jurisdiction.

ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION, DECEMBER, 1920.

Station.	Cattle.	Calves.	Sheep.	Goats.	Swine.
Chicago	155, 541	44,966	236, 837	416	733,067
Fort Worth Kansas City	17, 823 74, 931	12,859 15,092	4,023 81,851	143	19,944 231,971
National Stock Yards	32,503	8,217	32,788	76	141,373
Omaha St. Lonis	61,585 16,276	4,997 2,205	108,070 4,975		162,096 190,338
ioux City	23,855	1,803	. 23,798	1	97, 531
Couth St. Joseph	23, 664 23, 621	$\begin{array}{c} 3,072 \\ 24,526 \end{array}$	56,320 28,418	16	135, 021 205, 101
All other establishments.	236, 545	126,845	355, 334	469	2,067,683
Total: December, 1920.	667,344	241, 573	932, 417	1,220	3,985,123
December, 1919	960, 181	311,639	1,234,577	9,581	4,790,353
1920	8, 608, 691	4,058,370	10, 982, 180	42, 477	38,018,68
12 months ended December,	10,089,984	3,959,019	12,691,117	87, 383	41,811,830
1919	10,009,981	0,000,019	12,001,114	01, 333	41,311,33

Horses slaughtered, at all establishments, December, 1920, 22.

IMPORTS OF FOOD ANIMALS AND OF MEATS AND MEAT FOOD PRODUCTS.

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during December, 1920, with figures for other periods for comparison.

Imports of food animals.

Country of export.	Cattle.	Swine.	Sheep.	Goats.
Mexico Canada Other countries		103 76	16,721	2
Total: December, 1920 December, 1919. 12 months ended December, 1920 12 months ended December, 1919	. 372,246	179 593 1, 158 21, 163	16,721 16,155 166,504 186,074	2 157 12,459 7,667

Imports of meats and meat food products.

	Fresh and refrigerated.		Canned	Other	Total	
Country of export.	Beef.	Other.	and cured.	products.	weight.	
Anstralia Canada New Zealand Urugnay Other countries.	Pounds. 33,109 2,085,165	Pounds. 25,379 1,177,857 13,061,092 77,000	Pounds. 32,471 5,274 82,117 20,396	Pounds, 142 256, 974 3, 080 154, 940	Pounds. 58, 488 3, 295, 635 13, 323, 340 85, 197 252, 336	
Total: December, 1920. December, 1919. 12 months ended December, 1929. 12 months ended December, 1919.	2,118,274 4,177,523 37,841,467 35,059,287	14,341,328 1,110,468 112,880,750 17,129,887	1!0.258 73,881 6,951,432 31,008,160	415, 136 610, 050 7, 240, 377 7, 004, 360	17,014,996 6,001,922 161,914,026 90,201,691	

Condemned in December, 1920: Beef, 113,689 pounds; mutton, 25,034 pounds; pork, 561 pounds; total 339,284 pounds.

Refused entry: Beef, 315 pounds; pork, 2,152 pounds; total, 2,467 pounds.

FOREIGN OFFICIALS AUTHORIZED TO SIGN INSPECTION CERTIFICATES FOR MEAT AND PRODUCTS FOR IMPORTATION INTO THE UNITED STATES.

The following are additional names, addresses, and facsimile signatures of foreign national Government officials authorized to sign and issue certificates of inspection for meat and meat food products offered for importation into the United States:

Country, name, and address.	Signature.
E. Busmanti	Suido Parini

LICENSES AND PERMITS FOR VETERINARY BIOLOGICAL PRODUCTS.

Licenses for the manufacture of veterinary biological products have been issued as follows for the year 1921, under the act of Congress of March 4, 1913 (37 Stat., 832), the regulations made thereunder (B. A. I. Order 265 and amendments thereto):

License No.	Date.	Name, location, and address of firm.	Products.
2	1921. Jan. 1	The Eagle Co., 283-314 Central Avenue, Kansas City, Kans. (Mailing address: P. O. box 105.)	Antihog-cholera serum; hog-eholera virus.
2-1	do	The Eagle Co., 1837 West Hickory	Do.
3	do	Street, Oklahöma City, Okla. H. K. Mulford Co., Glen Oldea, Pa. (Mailing address: Broad and Wallace Streets, Philadelphia, Pa.).	Anthrax vaccine: antianthrax serum; anti- blackleg serum; antibovine-abortion serum; anticanine distemper serum; anticquine- abortion serum: antihemorrhagic-septi- cemia serum (bovine); antihemorrhagic- septicemia serum (swine); antihemorrhagic- septicemia serum (swine); antihemorrhagic- serum (equine); antitypogenes-bacillus se- rum (bovine); antistreptococcie serum (equine); antiwhite-scour serum (bovine); autogenous bacterin; blackleg vaccine; bovine-abortion bacterin; bovine-abortion serobacterin; bovine-abortion serobacterin (bovine); serovac- cine; canine-distemper serobacterin; equine- abortion bacterin (mixed); equine-abortion serobacterin (mixed); equine-influenza bacterin (mixed); equine-influenza bacterin (mixed); hemorrhagic-septicemia bacterin (bovine); hemorrhagic-septicemia bacterin (swine); hemorrhagic-septicemia serovaccine (bovine); mallein: normal horse serum; polyvalent bacterin mixed (canine); poly- valent bac
4	do	The Abbott Laboratories, 4739-4753 Ravenswood Avenue, Chicago, Ill. (Mailing address: 4753 Ravenswood Avenue).	staphylo-bacterin (equine); strepto-bacterin (equine); tetanus antitoxin, tuberculin; white-scour serobacterin mixed (bovine). Autogenous basterin; bacillus abortus bacterin (bovine); bacillus avisepticus bacterin; bacillus suisepticus bacterin; dequine hemorhagic-septicemia bacterin (equine); hemorrhagic-septicemia bacterin (for sheep); joint-ill mixed bacterin (equine); hemorrhagic-septicemia bacterin (for sheep); joint-ill mixed bacterin (bovine); mixed bacterin (for rabbits); mixed-infection bacterin (for owls); mixed-infection bacterin (for sheep) mixed-infection bacterin (for sheep) mixed-infection bacterin (for sheep); mixed-infection bacterin (for shee

License No.	Date.	Name, location, and address of firm.	Products.
5	1921. Jan. 1	Parke, Davis & Co., Parkedale Farm, near Rochester, Mich., and Atwater and McDougall Streets, Detroit, Mich. (Mailing address: Atwater and McDougall Streets.)	Authrax vaccine; antiauthrax serum; autiblackleg serum; autidistemper serum (canine);antihemorrhagic-septicemia serum (bovine); antihemorrhagic-septicemia serum (ovine); antihemorrhagic-septicemia serum (porcine); anti-influenza serum (equine);antistreptococcio-serum (equine); autiwhite-seour serum (bovine); blackleg aggressin; blackleg filtrate; blackleg vaccine; bovine hemorrhagic-septicemia bacterin; bovine hemorrhagic-septicemia vaccine; canine-distemper mixed bacterin;
			terin; bovine hemorrhagie-septicennia vae- eine; canine-distemper mixed bacterin; colon bacterin (equine); equine-influenza mixed bacterin: mallein mixed-infection bacterin (lepine); mixed-infection phyla- cogen (equine); normal horse serum; ovine hemorrhagie-septicemia bacterin; ovine hemorrhagie-septicemia vaccine; pneu- monia phylacogen (equine); porcine hem- orrhagie-septicemia bacterin; porcine hem- orrhagie-septicemia vaccine; staphylococ- eus-strepto-oceous bacterin (equine); strepto- coccus-staphylococeous bacterin (equine); tetanus antitoxin; tuberculin; white-secur
, 6	do	Pitman-Moore Co., near Zionsville, Ind. (Mailing address: 111-117 North	bacterin (bovine). Anticalf-scour serum; antidistemper serum
		_ Capitol Avenue, Indianapolis, Ind.)	(equine); antihemorrhagic septicemia serum (for cattle); antihemorrhagic septicemia serum (for rabbits); antihemorrhagic septicemia serum (for swine); antihemorrhagic cholera serum; anti-influenza serum; (equine); antimixed-infection serum (for
	, ,	200 m	swine); antistrepiccee'e serum (equine); autogenous bacterin; ealf-seour mixed bac- terin; canine antidistemper serum; canine distemper-mixed bacterin; distemper- mixed bacterin (for horses); equine anti-
			hemorrhagic-septicemia serúm; equine in- fluenza mixed bacterin; fowl-cholera bac- terin; hemorrhagic-septicemia bacterin (for eattle); hemorrhagic-septicemia bacterin (for horses); hemorrhagic-septicemia bac- terin (for sheep); hemorrhagic-septicemia bacterin (for swine); hemorrhagic-septi-
		97 7	cema vaccine (for cattle); hemorrhagic- septicema vaccine (for sheep); hemorrhagic septicemia vaccine (for swine); hog-cholera virus; mastitts-mixed bacterin (for cattle); metritis-mixed bacterin (for cattle); mixed labaterin (for rabbits); mixed bacterin (for 'swine); normal horse serum; pig-scour mixed bacterin; strep-staph-coli bacterin
9	do	Lederle Antitoxin Laboratories, Middletown Read, near Pearl River, N. Y. (Mailing address: Pearl River, N. Y.)	(for eartle); strep-staph-coli bacterin (for horses). Abortion vaccine (bovine); anthrax spore vaccine; antianthrax serum; antiblackleg serum; anticanine-distemper serum; antihemerrhagie-septicennia serum (bovine); antihemorrhagie-septicennia serum (percine); antibog-cholera serum; anti-influenza serum (equine); antiwhie-seours serum (bovine); blackleg filtrate; blackleg vaccine; canine-distemper mixed vaccine; colon vaccine (equine); equine influenza mixed
		_	vaceine; hemorrhagie-septicemia combined vaceine (for cattle); hemorrhagie-septicemia combined vaccine (for sheep); hemorrhagie septicemia combined vaccine (for swine); hemorrhagie-septicemia vaccine (for fow's); heg-cholera virus; mallein; mixed bacterial vaccine (equine); mixed bacterial vaccine (equine); mixed bacterial vaccine (equine); staphylececus combined vaccine (equine); 'streptececus combined vaccine (equine);
10	de	The Wielite & Ohlekens Come C	tetanus antitoxin; tuberculin; white-scours vaccine mixed (for calves).
10	do	The Wiehita & Oklahoma Serum Co., Wabash and East Twenty-first Street, Wiehita, Kans.	Antihog-cholera serum; hog-cholera virus.
31	do	Sioux Falls Serum Co., 2000 Wabash Avenue, Sioux Falls, S. Dak. (Mail-	Autihog-cholera serum; hog-cholera virus.

License No.	Date.	Name, location, and address of firm.	Products.
12	1921. Jan. 1	The Royal Scrum Co., Adams and Osage Streets, Kansas City, Kans. (Mailing address: Packers Station,	An(ihog-cholera serum; hog-cholera virus.
17	do	Kansas City.) Beebe Laboratories (Inc.), 155-163 West Third Street, St. Paul, Minn., Biologic Farm at Larpenter Avenue and White Bear Car Line. (Mailing address: 161 West Third Street.)	Abortion-bacterin mixed (bovine); abortion vaccine (bovine); anticalf-scour serum; anticanine-distemper serum; anticanine-distemper serum; antiquine-influenza serum; antithemorrhagic-septicemia serum (for sheep); antihemorrhagic-septicemia serum (for sheep); antihemorrhagic-septicemia serum (for swine); antiheg-dysentery serum; blackleg aggressin; blackleg filtrate; blackleg vaccine; calf-scour vaccine (mixed); equine-influenza vaccine (mixed); equine-influenza vaccine (for eattle); hemorrhagic-septicemia vaccine (for fowls); hemorrhagic-septicemia vaccine (for swine); mallein; mastitis vaccine mixed (for cattle); mixed-infection vaccine (for rabbits); mixed-infection vaccine (for rabbits); mixed-infection vaccine (for swine); navel-ill vaccine mixed (for cattle); mixed-infection vaccine (mixed); polyvalent vaccine mixed (for cattle); mixed-infection vaccine (mixed); polyvalent vaccine mixed (for cattle); tetanus antitoxin; tuberculin.
18	do	The Stock Yards Serum Co., 211 Cen-	culin. Antihog-cholera serum; hog-cholera virus.
		tral Avenue, Kansas City, Kans.	Abortus bacterin (bovine); antihog-cholera se-
21	do	Continental Serum Laboratories Co., Isett Avenue, Muscatine, Iowa. (Mailing address: Muscatine, Iowa.)	rum; anti-influenza mixed bacterin (equine); autogenie bacterin; blackleg filtrate; blackleg vaccine; colon bacterin (bovine); hemorrhagie-septicemia bacterin (for cattle); hemorrhagie-septicemia bacterin (for chickens); hemorrhagie-septicemia bacterin (for sheep); hemorrhagie-septicemia bacterin (for sheep); hemorrhagie-septicemia bacterin (for swine); hog-cholera virus; mastitis-mixed bacterin (bovine); mixed-infection bacterin (bovine); mixed-infection bacterin (swine); navel-ill mixed bacterin (equine); polyvalent mixed bacterin (equine).
23	do	The Missouri Valley Serum Co., 50 North Second Street, Kansas City, Kans.	Antihog-cholera serum; hog-cholera virus.
24	do	Sihler Serum Co., 208–210 Central Avenue, Kansas City, Kans. (Mailing address: 1602 West Sixteenth Street	Do.
25	do	Kansas City, Mo.) Interstate Vaccine Co., 58 Greystone Avenue, Kansas City, Kans. (Mailing address: Substation No. 2, Kansas City, Mo.)	Do.
26	do	Kaw Valley Serum Co., 115 Greystone Avenue, Kansas City, Kans. (Mail- ing address: Substation No. 2, Kan-	Do.
27	do	sas City, Mo.) The Simonson Serum Farm, near Hooper, Nebr. (Mailing address: Hooper, Nebr.)	Do.
30	do	Kansas Serum Co., corner Noon and Green Streets, Manhattan, Kans.	Do.
32	do	(Mailing address: P. O. box 21.) The Standard Serum Co., 9, 11, 13, 15 South Second Street, Kansas City, Kans	Do.
37	do	1	Do.
	do	Purity Biological Laboratories, corner Chambers and Chicago Streets, Sioux City, Iowa. (Mailing address: 311 Nebraska Street.)	Abortion vaccine (bovine); antiblackleg serum; blackleg aggressir; blackleg filtrate; hemorrhagic-septicemia vaccine (bovine); hemorrhagic-septicemia vaccine (ovine); hemorrhagic-septicemia vaccine (porcine); mixed vaccine (for swine).
40	do	Cedar Rapids Serum Co., 123 Twenty- third Avenue West, Cedar Rapids, Iowa.	Do.

License No.	Date.	Name, location, and address of firm.	Products.
41	1921. J.n. 1	Kinsley Laboratories, 400-406 New Centre Building, Fifteenth and Troost Streets, Kansass ity, Mo.	Antiabortion bacterin (bovine); anti-influenza mixed bacterin (equine); antiwhite-scour mixed bacterin (bovine); autogenous bacterin; canine-distemper bacterin; colon bacterin; (bovine); hemorrhagie-septicemia bacterin (ennicul); hemorrhagie-septicemia combined bacterin (avian); hemorrhagie-septicemia combined bacterin (bovine; hemorrhagie-septicemia combined bacterin (bovine; hemorrhagie-septicemia combined bacterin (ovine); metritis-mixed bacterin (bovine); mixed bacterin (swine; pig-scour mixed bacterin; polyvalent mixed bacterin (equine); pyaemic arthritis mixed bacterin (equine); pyaemic arthritis mixed bacterin (equine); staphylococcus combined bacterin (canine); streptococcus bacterin (equine); streptococcus bacterin (equine); swine-plague bacterin.
48	do	The Swine Breeders' Pure Serum Co., 1½ miles southeast of Thorntown. Ind. (Mailing address:: Thorntown.) The Slee Laboratorles, Swiftwater, Pa.	Do. Anticanine distemper serum; tetanus anti-
52	do	The Cutter Laboratory, Fourth and Parker Streets and Sixth and Gray- son Streets, Berkeley, Calif. (Mail- ing address: Sixth and Grayson, Streets.)	hemorrhagic-septicemia serum (bovine); antiliemorrhagic-septicemia serum (ovine); antimixed-infection serum (swine); auto-
			genous bacterin; bacillus-abortus bacterin (bovine); bacillus-abortus vaccine (bo- vine); blackleg aggressin; blackleg filtrate; blackleg vaccine; calf-seour mixed bacterin; canine-distemper bacterin; canine-dis- temper mixed bacterin; chicken-pox vac- cine; fowl-cholera bacterin; lemerrhagic- septicemia bacterin (bovine); antihog- cholera serum; hog-cholera virus; hemor- theric sectionnis bacterin (chown; berger-
	1		rhagie-septicemia bacterin (sheep): hemorrhagie-septicemia bacterin (swine): influenza mixed bacterin (equine); mallein; mastitis-mixed bacterin (bovino): mixed bacterin (bovino): mixed bacterin (bovino): mixed bacterin (rabbits): mixed-infection bacterin (swine); navel-ill mixed bacterin (equine); polyvalent mixed bacterin (equine); polyvalent mixed bacterin (equine); rabits vaccine; stapitylococcic bacterin (goats); staph-strep-coli-bacterin (equine); streptococcic bacterin: (equine); tetanus antitoxin; tibberculin.
51	do	Vaccine Laboratories; Manhattan, Kans.	Antiblackleg serum; blackleg agressin; blackleg filtrate; blackleg vaccine.
56	do	The Southwestern Serum Co., 398 East. Twenty-first Street, and on premises of Establishment 202, Wichita, Kans. (Mailing address: 308 East Twenty- first Street.)	Antihog-cholèra serum; hog-cholera virus.
61	do	Guilfoil Serum Co., 18-20-22 North Sec-	Do.
67 69	do		Do. Do.
70	do	ries, 1502 Garfield Avenue, St. Joseph, Mo. (Mailing address: Niutli and	Do.
72	do	Mary Streets.) Central Missouri Serum Co., East End' of East Eastwood Avenue, Marshall, Mo. (Mailing address: P. 9, box	; D ₀ .
77	do	Corn Belt Serum Co., 215 Winstanley	Do:
78	;do	Avenue, East St. Louis, III. The University of California, Davis and Berkeley, Calif. (Mailing ad- dress: Room 101, Buddi Hall, Uhi-	Chieken-pox vaccine; chieken-pox virus.
	1	versity of California, Berkeley, Calif.	

License			
No.	Date.	Name, location, and address of firm.	Products.
53	1921. Jan. 1	E. R. Squibb & Sons, Georges Road, New Brunswick, N. J. (Mailing address: New Brunswick, N. J.)	Anticalf scour serum; anticanine distemper serum; anticquine influenza serum; anti-hemorrhagic septicemia serum (for cattle); antihemorrhagic septicemia serum (for sheep); antihemorrhagic septicemia serum (for swine); antifiabic virus; canine distemper vaccine; mallein; tetanus anti-
64	do	Omaha, Nebr. (Mailing address; Live Stock Exchange Building	toxin; tuberculin. Antilog-cholera serum; hog-cholera virus; swine plague bacterin.
85	do	Omaha.) The Western Laboratorics, French Camp, Calif. (Mailing address: Twenty-fourth and Broadway, Oakland, Calif.)	Antihog-cholera serum; hog-cholera virus.
91	do	Gregory Farm Laboratory, near White Hall, Ill. (Mailing address: White Hall, Ill.) The Corn States Scrum Co., 4420 U Street, Omaha, Nebr. (Mailing	Do.
99	do	The Corn States Serum Co., 4420 U Street, Omaha, Nebr. (Mailing address: 1025 Mason Street, Omaha.)	Do.
102 103	do	The Lathrop Seriim Co., Lathrop, Mo., Fowler Scrum Co., Second Street and Splitlog Avenue, and 335 North James Street, Kansas City, Kans. (Mailing address: Kansas City,	Do. Do.
101	do	Kans.) Swan-Myers Co., 219 North Senate Avenue, Indianapolis, Ind.	Abortion bacterin (bovine); avian hemor- rhagic-septicemia bacterin; bacillus suipes- tifer bacterin; bovine hemorrhagic-septi-
107	do	Jensen-Salsbery Laboratories (Inc.), 523 West Pennway, Kansas City, Mo.	cemia bacterin; bovine mastitis-mixed bacterin; canine-distemper bacterin (mixed); equine-colon bacterin; equine hemorrhagic-septicemia bacterin; equine hemorrhagic-septicemia bacterin; equine influenza bacterin (mixed); equine staphylococcus aurens and albus bacterin; mixed bacterin (for rabbits); mixed-infection bacterin (for rabbits); mixed-infection bacterin (for swine); navel-infection mixed bacterin (equine); swine-plague bacterin; white-scour mixed bacterin (bovine). Antiequine influenza bacterin (mixed); autogenous bacterin; avian tuberculin; blackleg filtrate; blackleg vaccine; bovine-abortion bacterin (mixed); canine-distemper bacterin (mixed); canine-distemper bacterin (mixed); canine-distemper bacterin (mixed); equine-abortion bacterin; gastro-enteritis mixed bacterin (equine); hemorrhagic-septicemia bacterin (lovine); mixed-infection bacterin (lovine); mixed-infection bacterin (for cattle); mixed-infection bacterin (for cattle); mixed-infection bacterin (for cattle); mixed-infection bacterin (rabbits); mixed-infection bacterin (swine); salphylococcus bacterin (equine); steptococcus bacterin (lovine); swine-plague bacterin (tuberculin; white-scour mixed-bacterin (tuberculin; white-scour mixed-bacterin (mixed).
107	Jan. 10 Jan. 1	Universal Serum Co., 101 St. Clair Avenue, East St. Louis, III.	Tittinog-choicia serum, nog-choicia virus.
	do	Avenue, East St. Louis, III. American Scrum Co., 2117 Leech Street, Sioux City, Iowa.	Do.
	do) 32:493°	Blue Cross Serum Co., Superior, Neural	Do.

License No.	Date.	Name, location, and address of firm.	Products.
112	1921. Jan. 1	Fort Dodge Serum Co. (Inc.), 600\(\frac{1}{2}\) Central Avenue, Fort Dodge, Jowa, and 2 miles from eity in Douglas Township. (Mailing address: 600\(\frac{1}{2}\) Central Avenue.)	Abortion bacterin (bovine); antihog-choleta serum; autogenous bacterin; blackleg aggressin; blackleg filtrate; calf-scour mixed bacterin; canine-distemper bacterin; canine-distemper mixed bacterin; equino-influenza-mixed bacterin; equino-influenza bacterin; hemorrhagic-septicemia bacterin (avian); hemorrhagic-septicemia bacterin (cattle); hemorrhagic-septicemia bacterin (rabbits); hemorrhagic-septicemia bacterin (sheep); hemorrhagic-septicemia bacterin (sheep); hemorrhagic-septicemia bacterin (swine); hog-cholera virus; keratitls mixed bacterin (bovine); mallein; mastitis mixed
112	Jan. 24	do	bacterin (bovine); mallein; mastitis mixed bacterin (bovine); mixed-infection bac- terin (bovine); mixed-infection bacterin (swine); navel-ill mixed bacterin (equine), pig-scour mixed bacterin; pneumonia mixed bacterin (equine); polyvalent mixed bacterin (equine); tuberculin. Anticalf-scour serum; anticanine distemper
114	Jan. I	White Serum Co., 1317-19 Adams Street, Nashville, Tenn.	serum; antiequine influenza serum. Antihog-cholera serum; hog-cholera virus.
115	do	The Denver Hog Serum Co., 5039 York	Do.
116 117-A	do	Street, Denver, Colo. Cttumwa Serum Co., Cttumwa, Iowa. The Kansas Blackleg Serum Co., Second and Monroe Streets, North, Amarillo, Tex.	Do. Blackleg aggressin.
119	do	Amarillo, Tex. The Gilliland Laboratories, Willow Avenue, Ambler, Pa., and Biddle Street, Marietta, Pa. (Mailing address: Ambler, Pa.) The United States Blackleg Scrum Co.,	Antistreptococcic serum (equine); rabies vaccine; tetanus antitoxin; tuberculin.
120	do		Blackleg aggressin.
122	do	City, °kla. The Royal Biological Laboratories, 317-325 Argyle Building, northeast corner Tweith and Magee Streets, Kansas City, Mo. (Mal.ing address: 317 Argyle Building.)	Abortion mixed vaccine (bovine); anti-in- fluenza mixed vaccine (equine); autoge- nous vaccine; mixed-infection vaccine (avian); mixed-infection vaccine (bovine); mixed-infection vaccine (cuniculi); mixed- infection vaccine (ovine); mixed-infection vaccine (swine); navel-ill mixed vaccine (equine) polyvalent mixed vaccine (equine); white-sour mixed vaccine (bovine). (This license was terminated Jan. 22, 1921, on account of the firm name being changed to the Haver-Glover Laboratories.)
122	Jan. 22	The Haver-Glover Laboratories, rooms 317-325 Argyle Building, northeast corner Tweiith and Medee Streets, Kansas City, Mo. (Mailing address: 317 Argyle Building.) Anchor Scrum Co., south of Stock Yards, South St. Joseph Mo. (Mailing address: Lipe Stock Eyphange)	Do.
124	Jan. 1	Anchor Scrum Co., south of Stock Yards, South St. Joseph Mo. (Mail- ing address: Live Stock Exchange Building, St. Joseph, Mo.) Aurora Scrum Co., near North Aurora,	Antihog-cholera serum; hog-cholera virus.
125	do	Aurora Serum Co., near North Aurora, III. (Mailing address: P. O. box	Do.
126	do	Ill. (Mailing address: P. O. box 227, Aurora, Ill.) Hamilton Chemical Co., 1 mile north of Noblesville, Ind. (Mailing ad- dress: Noblesville, Ind., R. R. 2.) Liberty Laboratories Seventy-seventh	D 0.
127	do	Liberty Laboratories Seventy-seventh	Do
130	do	and Scrum Streets, Ralston, Nebr. The E. R. Alexander Clear Scrum Co., 2109 Grand Avenue, Kansas City, Mo.	Do.
130	Jan. 28	The E. R. Alexander Clear Scrum Co., 210.) Grand Avenue, Kansas City, Mo.	Blackleg filtrate.
131	Jan. 1	The Fostoria Serum Co., Columbus Avenue, Fostoria, Ohio.	Antihog-cholera serum; hog-cholera virus.
132 133	do	University of Illinois, Urbana, Ill The National Vaccine & Serum Co.,	Botulinus antitoxin. Abortion bacterin (bovine); blackleg aggres-
		501 East Las Vegas Street, Colorado Springs, Colo.	sin; blackleg filtrate; hemorrhagic-septi- cemia bacterin (for cattle); hemorrhagic- septicemia bacterin (for sheep).

License No.	Date.	Name, location, and address of firm.	Products.
134	1921. Jan. 1	Dr. D. I. Harric's Laboratory 700	Rabies vaccine.
101	Jan. 1	Dr. D. L. Harris's Laboratory, 706 Metropolitan Building, 508 North Grand Avenue, St. Louis, Mo. (Mailing address: 706 Metropolitan	Adoles vaccine.
135	do	The Feele Divie Co (Inc.) 1502 Clin-	Antihog-cholera serum; hog-cholera virus.
137	do	ton Street, Nashville, Tenn. Manhattan Serum Co., Fairmount Addition, Manhattan, Kans. (Mail- ing address. Box 357.)	Do.
139	do	ing address, Box 357.) J. C. Swan-Williamson Co., 311-315 North Capitol Avenue, Indianapolis, Ind.	Bovine contagious-abortion bacterin; bovine hemorrhagic-septicemia bacterin; bovine streptococcus-mastitis bacterin; bovine white-scour mixed bacterin; canine-distemper mixed bacterin; equine-distemper bacterin; equine influenza-pneumonia mixed bacteria; equine navel-infection mixed bacterin; equine staphylococcus albus and aureus bacterin; equine staph-
140	do	Mitchell Sorum Co West Second	strep-coli bacterin; mixed-infection bacterin (swine); swine-plague bacteria. Antihog-cholera serum; hog-cholera virus.
		Mitchell Scrum Co., West Second Street Road, Grand Island, Nebr. (Mailing address, Grand Island.) Capital Scrum Co., 1635 Maury Street,	
		Capital Serum Cos, 1635 Maury Street, Des Moines, Iowa. The Johnson Serum Co., Northwest	Do.
143	do	corner Crane and Jefferson Streets,	Do.
145	ob	West plains Serum Co., Springfield Road, West plains, Mo. (Mailing	Do. '
148	do	Westplains Serum Co., Springfield Road, Westplains, Mo. (Mailing address, Westplains.) Zell-Straub Laboratories (Inc.), suite 1611, Masonic Temple, 139 North State Street, Chicago, Ill.	Anticanine distemper serum; autogenous bacterin; avian hemorrhagie-septicemia bacterin; blackleg filtrate; bovine-abortion bacterin; bovine hemorrhagie-septicemia bacterin; bovine mastitis-streptococcus bacterin; canine-distemper mixed bacterin; canine-distemper m
			bacterin; canine-distemper mixed bacterin; eanine mixed infection bacterin; equine hemorrhagic-septicemia bacterin; equine influenza-mixed bacterin; equine mixed- polyvalent bacterin; ovine hemorrhagic- septicemia bacterin; swine hemorrhagic- septicemia bacterin; swine mixed-infection bacterin.
150	do	Smylic Scrum Co., 4901 South Thirty- third Street, Omaha, Nebr. The Salt City Scrum Co., Fourth and	Antihog-cholera serum; hog-cholera virus.
151	do	Grand Avenues, Hutchinson, Kans.	Do
154	do	Gränd Avenues, Hutehinson, Kans. Rex Serum & Vaccine Co., West of Lake and Alabama Avenue, St. Joseph, Mo. (Mailing address, Box 86, Station D, St. Joseph.) Utah Serum Co., Wilson Lane, Ogden, Ltah (Mailing address, Ogden,	
155	do	Utah Serum Co., Wilson Lane, Ogden, Utah. (Mailing address, Ogden, Utah.)	. Do.
156 157	do	The Brawner Serum Co., Converse, Mo. Dixie Serum Co., East Side Franklin Street, opposite corner of Jefferson Street, Grenada, Miss. (Mailing address, Grenada.) Globe Laboratories, Fostepeo Heights, near Fort Worth, Tex. (Mailing address, Exception Lights, Fort Worth)	Do. Do.
158	do	Tor)	Do.
159	Jan. 5	Albany Serum Co., Third and Front Streets, Albany, Ga. (Mailing ad-	Do.
160	Jan. 31	Albany Serom Co., Third and Front Streets, Albany, Ga. (Mailing ad- dress, P. O. Box 121, Albany, Ga.) Ohio State University, College of Vet- erinary Medicine, Columbus, Ohio.	Mixed-infection bacterin (for lowls).

U. S. Veterinary Permit No. 2 was issued January 28, 1921, to the Pasteur Laboratories of America, 366 West Eleventh Street, New York, N. Y., for the importation of anthrax vaccine during the year 1921.

PRODUCTION OF ANTIHOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS.

The quantities of antihog-cholera serum and hog-cholera virus produced during the month of December, 1920, at establishments under the bureau's supervision were as follows: Ordinary serum, 10,418,789 c. c.; clear serum, 2,786,615 c. c.; ordinary virus, 705,522 c. c.; clear virus, 6,341 c. c.; hyperimmunizing virus, 2,010,066 c. c.

The production during the calendar year 1920 was as follows: Ordinary serum, 350,395,925 c. c.; clear serum, 39,832,934 c. c.; total serum, 390,223,909 c. c.; ordinary virus, 21,993,035 c. c.; clear virus, 450,343 c. c.; total simultaneous virus, 22,443,378; hyperimmunizing virus, 87,338,709 c. c.

SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, DECEMBER, 1920.

Stations.	States.	Tuberculin tests.			Total once-	Total		
		Herds or lots.	Cattle tested.	Re- acted.	free herds h in the in	ered- ited herds in the State.	Inspector in charge.	State official.
Albany, N. Y	N. Y	256	8, 231	1, 749	747	63	H. B. Leonard	D. W. McLaury, Al-
Atlanta, Ga	Ga	47	1, 617	21	954	9	W. M. MacKellar.	P. F. Bahnsen, At-
Augusta, Me	Ме	117	1, 675	60	436	240	J. B. Reidy	lanta. W. H. Lynch, Au-
Baltimore, Md	Md	178	2, 060	248	519	125	T. A. Ladson	R. C. Reed, Balti-
Birmingham, Ala Bismarck, N. Dak.	Ala N.Dak.	27 247	\$98 4, 998	28 118	299 1, 433	33 184	C. J. Becker H. H. Cohenour	more. C. A. Cary, Auburn. W. F. Crewe, Bis- marck.
Boise, Idaho Boston, Mass	Idaho. Mass	74 28	1, 005 1, 095	44 35	1, 542 35	14 29	W. A. Sullivan E. A. Crossman	J. D. Adams, Boise. L. H. Howard, Bos-
Do	R. I	2	45	1	9	5	do	J. S. Pollard, Providence.
Do	N. H	20	626	85	35	13	do	A. I. Felker, Con-
Charleston, W. Va.	W.Va.				847	54	Geo. W. Neff	J. H. Stewart, Charleston.
Cheyenne, Wyo	Wyo	2	1, 053		3		John T. Dallas	B. F. Davis, Chey-
Chicago, Ill	ın	174	3,068	226	416	147	J. J. Linter	A. T. Peters, Spring- field.
Columbia, S. C	s. c	49	1,089	4	293	52	W. K. Lewis	W. K. Lewis, Co-
Columbus, Ohio	Ohio	156	2,710	195	975	263	Leo E. Davis	T. A. Burnett, Co-
Denver, Colo Des Moines, Iowa	Colo Iowa	3 108	28 2, 868	3 79	5 85S	114	W. E. Howe F. H. Thompson.	C. G. Lamb, Denver. P. Malcolm, Des Moines.
Fort Worth, Tex	Tex	91	1, 127	19	133	1	H. Grafke	L. G. Cloud, Fort Worth.
Frankfort, Ky	Ку	83	1, 199	45	543	85	W. F. Biles	W. C. Simmons, Frankfort.
Harrisburg, Pa	Pa	130	2, 517	161	526	425	P. E. Quinn	T. E. Munce, Harris- burg.
Hartford, Conn	Conn	84	954	142	110	23	E. I. Smith	J. M. Whittlesey, Hartford.
Helena, Mont Indianapolis, Ind	Mont Ind	174 263	3, 537 3, 904	59 46	1, 745 1, 455	65 214	R. Snyder E. B. Haskin	W. J. Butler, Helena. L. E. Northrup, Indianapolis.
Jackson, Miss	Miss	1, 447	13, 979	54	335	65	J. A. Barger	H. Chadwick, Jack-
Jefferson City, Mo	Мо	148	3, 396	56	890	55	Ralph Graham	D. F. Luckey, Jefferson.
Lansing, Mich	Mich	122	2, 363	77	207	181	T. S. Rich	H. H. Halladay, Lansing.
Lincoln, Nebr	Nebr	93	2,020	1.3	459	40	C. H. Hays	W. T. Spencer Lin-
Little Rock, Ark	Ark	. 3	197		83	21	J. H. Bux	R. M. Gow, Little Rock.
Madison, Wis	Wis	851	15, 411	270	1, 136	493	J. S. Healy	C.P. Norgord, Madi-
Montpelier, Vt	Vt	322	6,201	551	1,613	159	A. J. De Fosset	E.S. Brigham, Mont- pelier.

Summary of tuberculosis-cradication work in cooperation with States, December, 1920— Continued.

							111	
Stations.	States.	Tuberculin tests.			Total once-	Total ac-		
		Herds or lots.	Cattle tested.	Re- acted.	free herds in the State.	ited herds in the	charge.	State official,
Nashville, Tenn New Orleans, La	Tenn La	48 6	1,363 281	13 8	391 271	113 28	Robert Jay R. W. Tuck	M. Jacob, Nashville. E. P. Flower, Baton Rouge.
Oklahoma, Okla	Okla	101	2,234	47	282	11	C. F. Harrington.	J. A. Whitehurst.
Olympia, Wash	Wash	103	2,481	62	322	21	S. O. Fladness	Oklahoma. L. C. Pelton.
Pierre, S. Dak	S.Dak.	48	1,765	109	232	28	J. O. Wilson	Olympia.
Portland, Oreg Richmond, Va		249 103	5,227 2,397	106 60	968 649	60 391	S. B. Foster R.E.Brookbank.	Pierre. W. H. Lytle, Salem. J. G. Ferneyhough,
Do St.Paul, Minn	N. C Minn	29 '278	729 7,689	20 164	986 1,137	176 731	W. J. Fretz	Richmond. Wm. Moore, Raleigh. C. E. Cotton, St. Paul
Salt Lake City,	Utah	267	1,489	5.	1,285	42	F. E. Murray	R. W. Hoggan, Salt
Utah. Do. Tallahassee,Fla	Nev Fla	87 136	1,456 2,800	51 - 23	778 1,450	1 45	J. G. Fish	Lake City. Edw. Records, Reno. J. W. DeMilly, Talla- hassee.
Topeka, Kans Trenton, N. J		76 34	1, 995 1, 044	46 47	153 29	132 28	H. M. Graefe W. G. Middleton.	J. H. Mercer, Topeka. J. H. MeNeil, Tren-
Do	Del D. C Miseel.	65 23 12	1, 134 81 20	83	220 11	23 8	J. A. Kiernan	ton. Wesley Webb, Dover
Total		6, 924	125, 162	4,986	27,842	5,013		~

PERMITTED DIP FOR CATTLE FOR TICKS.

The bureau has granted permission for the use of "Key Dip," manufactured by Interstate Chemical Co., 12 Bayview Avenue, Jersey, City, N. J., in the official dipping of cattle for ticks. The dilution for dipping cattle for interstate movement is 1 gallon of dip to not more than 127 gallons of water. This will yield a solution containing not less than 0.22 per cent actual arsenious oxid.

BUREAU OF ANIMAL INDUSTRY DIRECTORIES.

Officers in charge are informed that bureau directorics furnished them are intended for the use of employees on their forces. Officers are therefore requested to conserve their supplies and to refer other persons requesting directories to the Superintendent of Documents, Government Printing Office, Washington, D. C., from whom they may be purchased at 25 cents each.

RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS.

Penalties have been imposed in prosecutions for violations of regulatory laws, as reported to the bureau, as follows:

Live-Stock Quarantine Law.

Chicago & North Western Railway Co., \$100 fine and costs. St. Louis & San Francisco Railway Co., \$100 fine. Missouri, Kansas & Texas Railway Co., \$100 fine.

Twenty-Eight-Hour Law.

Chesapeake & Ohio Railway Co. (24 cases), \$2,400 fines and costs for one case. Pennsylvania Railroad Co. (7 cases), \$825 fines.

Pittsburgh, Cincinnati, Chicago, & St. Louis Railway Co. (2 cases), \$200 fines.

Missouri, Kansas & Texas Railway Co., \$100 fine.

Baltimore Railroad Co. (3 cases, 24 counts), \$3,475 fines and costs.

Wabash Railroad Co. (6 cases), \$600 fines.

Chicago Junction Railway (2 cases), \$200 fines.

Meat-Inspection Law.

John Gilbert & Son, New Haven, Conn., \$75 fine and costs. Gamanos & Booskos, New York, N. Y., \$100 fine. Jacob Branfman, New York, N. Y., \$100 fine.

BUREAU REGULATIONS IN FORCE.

A list of B. A. I. orders and amendments and other orders and notices in effect at the beginning of the year 1921 is given below. Each station or office should keep a file of all such regulations that relate to its work. The bureau will endeavor to furnish, on request, copies of any that may be necessary to complete such a file. As the supply of some of these orders, especially the earlier ones, is almost exhausted, station officers are requested to use discrimination in making requests and to refrain from asking for copies of regulations which have no bearing on the work of their stations.

B. A. I. Order 92. Special order prohibiting the landing of animals from the Philippine Islands at any of the ports of the United States or of the dependencies thereof.

(Dec. 13, 1901.) Amendment 1 (July 7, 1916).

B. A. I. Order 97. Extracts from existing laws, with rules and regulations as therein provided, prescribed for the inspection and certification of renovated butter and other dairy products for export. (Oct. 1, 1902.)

B. A. I. Order 147. Regulations prescribed in regard to renovated butter in accordance with the act of Congress approved May 9, 1902. (July 11, 1907.) Amend-

ments 1 (Sept. 30, 1908) and 2 (July 8, 1914).

B. A. I. Order 193. Regulations governing the sanitation of renovated or process butter factories. (Oct. 21, 1912.)

B. A. I. Order 206. Regulations governing the recognition of breeds and purebred animals. (Nov. 11, 1913.) Amendments 1 (Aug. 9, 1914), 2 (Aug. 31, 1915), 3 (Nov. 2, 1916), and 4 (July 15, 1919).

- B. A. I. Order 211. Regulations governing the meat inspection of the United States Department of Agriculture. (July 15, 1914.) Amendments 2 (Nov. 20, 1915), 3 (May 2, 1916), 4 (July 9, 1917), 5 (Dec. 31, 1917), 6 (May 1, 1918), 7 (Feb. 21, 1919), 8 (June 11, 1919), 9 (Aug. 8, 1919), 10 (Aug. 6, 1919), 11 (Oct. 23, 1919), 12 (Oct. 23, 1919), and 13 (Apr. 8, 1920).
- B. A. I. Order 256. Special order prescribing methods for the disinfection of hides, skins, fleshings, hide cuttings, parings, and glue stock, and other animal by-products, hay, straw, forage, or similar material offered for entry into the United States, and the containers of glue stock, bones, hoofs, and horns so offered for entry. (Dec. 14. 1917.)
- B. A. I. Order 257. To prevent the spread of scabies in sheep. (Feb. 28, 1918.) Amendment 1 (Mar. 11, 1919).
- B. A. I. Order 263. Regulations governing the interstate movement of livestock (May 15, 1919.) Amendments I (July 7, 1919), 2 (Apr. 10, 1920), and 3 (Aug. 7, 1920).
- B. A. I. Order 264. Regulations governing the inspection, humane handling, and safe transport of export animals. (May 28, 1919.) Amendment 1 (Oct. 31, 1919).

B. A. I. Order 265. Regulations governing the preparation, sale, barter, exchange, shipment, and importation of viruses, serums, toxins, and analogous products intended for use in the treatment of domestic animals. (Aug. 1, 1919.) Amendment 1 July 14, 1920).

B. A. I. Order 266. Regulations for the inspection and quarantine of horses, cattle, sheep, swine, and other animals imported into the United States. (Aug. 30, 1919.) Amendments 1 (Oct. 11, 1919), and 2 (Nov. 13, 1919).

B. A. I. Order 267. Regulations governing the appraisement of tuberculous cattle and expenditures on account of the control and eradication of tuberculesis of animals. (Aug. 6, 1919.)

B. A. I. Order 271. To prevent the spread of splenetic, scuthern, or Texas fever in cattle. (Nov. 9, 1920.)

Joint Order No. 2 (United States Treasury Department and Department of Agriculture). Regulations governing the sanitary handling and control of hides. Ceshings, hide cuttings, parings, and glue stock, sheepskins and geatskins and parts thereof, hair, wool, and other animal by-products, hay, straw, forage, or similar material offered for entry into the United States. (Oct. 15, 1917.) Amendment 2 (Nov. 11, 1920).

Joint Order No. 3 (United States Treasury Department and Department of Agriculture). Regulations providing for the importation into the United States below the southern cattle-quarantine line of tick-infested cattle from Mexico, South and Central America, the islands of the Gulf of Mexico, and the Caribbean Sea. (Apr. 23, 1918.) Amendment 1 (Dec. 24, 1918).

Notice No. 1. Notice under section 2, Regulation 27, of the regulations governing the meat inspection of the United States Department of Agriculture (B. A. I. Order 211), in reference to meat and products offered for importation into the United States from the Republic of Mexico. (May 6, 1915.)

Notice No. 2. Notice under section 2, Regulation 27, of the regulations governing the meat inspection of the United States Department of Agriculture (B. A. I. Order 211), in reference to meat and products offered for importation into the United States from the Republic of Mexico. (Oct. 20, 1915.)

Notice No. 3. Importation of meat and products from Tsingtau, China. Notice under section 2, Regulation 27, of the regulations governing the meat inspection of the United States Department of Agriculture (B. A. I. Order 211), in reference to meat and products offered for importation into the United States from Tsingtau, (hina. (July 28, 1920.)

Notice regarding interstate movement of horses, mules, and asses affected with glanders. (Oct. 9, 1907.)

Notice regarding the interstate movement of cattle and swine which are affected with tuberculosis. (Nov. 6, 1907.)

The feeding, watering, and resting of livesteck in course of interstate transportation. (Apr. 23, 1919.)

FLORIDA

ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY.

Chief: John R. Mohler. Assistant Chief: B. H. RAWL. Assistant to the Chief: CHARLES C. CARROLL. Chief Clerk: J. R. Cohran. Editor: D. S. Burch. Animal Husbandry Division: George M. Rommel, chief. Biochemic Division: M. Dorset, chief. Dairy Division: B. H. RAWL, chief. Division of Hog-Cholcra Control: U. G. Houck, chief. Division of Virus-Serum Control: D. I. SKIDMORE, chief. Field Inspection Division: A. W. MILLER, chief. Meat Inspection Division: R. P. STEDDOM, chief. Miscellaneous Division: A. M. FARRINGTON, chief. Pathological Division: John S. Buckley, chief. Quarantine Division: RICHARD W. HICKMAN, chief. Tick Eradication Division: R. A. RAMSAY, chief. Tuberculosis Eradication Division: J. A. Kiernan, chief. Zoological Division: B. H. RANSOM, chief. Experiment Station: E. C. SCHROEDER, superintendent. Office of Accounts: A. C. Davis in charge. Appointment Section: George H. Russell in charge.

SAVINGS CAMPAIGN TO BE CONTINUED.

Presidents of women's organizations have emphasized the need of the continuation of the savings work among their membership in 1921.

The work of the S wings Division of the Treasury Department has been spendidly successful in the schools, with the children, and as well with the leaders of educational thought in America.

In responding to those demands from great national organizations, the Savings Division will intensify during 1921 its campaign to spread broadcast the essential facts relative to wise saving and spending and investment and the continued development of new capital.



ADDITIONAL COPIES

OF THIS PUBLICATION MAY BE PROCURED FROM THE SUPERINTENDENT OF DOCUMENTS GOVERNMENT PRINTING OFFICE WASHINGTON, D. C.

AT

5 CENTS PER COPY SUBSCRIPTION PRICE, PER YEAR 50 CENTS

 ∇